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SPECIFICATION 43:

With regard to the capability of the Company's content and consumer premises equipment ("CPE") to interact or operate with unaffiliated content, such as through the use of applications on the Company's CPE and devices, as described on page 79-80 of the Public Interest Statement, provide:

- (a) a list of unaffiliated content supported by the Company that includes a description of the applications, devices or technologies that the Company uses for interoperability with such unaffiliated content;**
- (b) the licensing and other agreements entered into by the unaffiliated content providers to accomplish the interoperability with the Company's CPE;**
- (c) the criteria used to determine whether to grant or deny an unaffiliated person's request for access to the Company's CPE, devices or content;**
- (d) a list of all unaffiliated content providers who have not received approval and the reasons supporting each denial for (1) unaffiliated content sources, such as those from Netflix, Hulu, and Amazon on the Company's CPE, (2) delivery of unaffiliated content to retail devices in the home, such as to Microsoft's Xbox, Sony's Playstation, Tivo devices, Roku devices, and Apple's AppleTV by in-home streaming, CableCARD, and other technologies; and (3) delivery of unaffiliated content to retail devices outside the home; and**
- (e) all documents related to CPE research, development and innovation plans.**

Response to Specification 43:

a. TWC's CPE does not have the capabilities of Comcast's X1 platform to integrate and operate with unaffiliated content in the manner described on page 79-80 of the Public Interest Statement, and there are currently no such third party applications that could be operated on or access TWC's CPE.

For in-home distribution of content, TWC customers are able to access all linear and video on-demand content that is available through TWC's CPE on the customer's own devices, subject to limited exceptions where TWC does not yet have the capability to implement the required programming "blackouts" due to territorial restrictions imposed by the network (*e.g.*, not all markets have ESPN, local sports networks, or broadcast networks). However, TWC is developing a solution to provide all channels in each of its markets.

TWC currently maintains applications on the following platforms and/or devices: Android, Fan TV, iOS, Kindle Fire, Roku, Samsung Smart TV (beginning with the 2012 model year), Web (PC/Mac), and Xbox 360.

Outside of the home, TWC content is available only through TV Everywhere, which is limited to programming for which the programming provider has granted TWC rights to distribute outside of the home through TV Everywhere. *See* response to Specification 42 above for details.

b. [[

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e. All non-privileged documents requested in the Commission's Request for Information will be submitted shortly following adjustments to reflect ongoing clarification discussions with Commission staff.

SPECIFICATION 44:

Provide the following information for National Cable Communications LLC ("NCC Media"):

- (a) all ownership, voting, or management interests in NCC Media and the parties that hold these interests;**
- (b) a description of the roles and functions of NCC Media with respect to, and separately for, national, regional, and local cable spot advertising, including, but not limited to:
 - (i) the persons that do business with NCC Media;**
 - (ii) the access, services, and products provided by NCC Media;**
 - (iii) the criteria used by NCC Media to determine whether to provide access, services, or products to a person and the prices charged, including any affiliation with NCC Media or a person with an interest in NCC Media; and**
 - (iv) any alternatives to NCC Media that are available to persons that wish to place cable spot advertising; and****
- (c) separately for national, regional, and local cable spot advertising, the quarterly revenues received by the Company from NCC Media since January 1, 2009.**

Response to Specification 44(a) and (b):

The Company owns {{ }} of NCC Media.

TWC refers to, and incorporates by reference as if fully set forth herein, the September 11, 2014, written response and accompanying exhibits of Comcast to Specification 46 of the Commission's Information and Data Request Issued to Comcast on August 21, 2014.

Response to Specification 44(c):

See Exhibit 44.

SPECIFICATION 45:

Provide the following information concerning the cable interconnects that are owned by, controlled by, or managed by the Company in the relevant area:

(a) a description of the roles and functions of the cable interconnects with respect to, and separately for national, regional, and local cable spot advertising, including, but not limited to:

- (i) the parties that do business with the cable interconnects;**
- (ii) the access, services, and products provided by the cable**
- (iii) how the Company determines whether to give a person access to a cable interconnect, or provide related services or products to the person, and the prices charged, including the extent to which these determinations depend on whether the party is owned by, controlled by, managed by, or affiliated with the Company; and**
- (iv) any alternatives to the cable interconnects that are available to persons that wish to place cable spot advertising; and**

(b) a listing of all DMAs in which the Company owns, controls, or manages one or more cable interconnects, indicating the following for each such DMA:

- (i) whether the DMA also is served by one or more cable interconnects that are not owned, controlled, or managed by the Company;**
- (ii) the extent to which any such cable interconnects overlap or compete with cable interconnects that are owned, controlled, or managed by the Company; and**

(c) separately for national, regional, and local cable spot advertising, the quarterly revenues received by the Company from the cable interconnects since January 1, 2009, in CSV or Excel format.

Response to Specification 45(a):

Cable interconnects are used by the Company to provide a means for advertisers to make advertising buys across a local geographic market (*e.g.* a DMA), or a substantial portion of such market, without having to deal separately with multiple cable systems and other MVPDs serving the market. In a typical arrangement, the interconnect is managed by the largest cable system that is a member of the interconnect. The members pool their advertising inventory, and the manager sells that inventory to advertisers. By offering the opportunity to make advertising buys across a market, interconnects enable MVPDs to compete more effectively with local broadcast TV stations, on which an advertiser can make a single station buy that covers the entire market.

The interconnects that are managed by the Company sell advertising only on systems in the local market in which the interconnect operates.

Each member of the interconnect typically makes available an equivalent amount of inventory, and gross advertising revenues for inventory sold by the interconnect are typically allocated among the members on the basis of each member's number of subscribers. Because the manager of the interconnect assumes responsibility for making sales, and also assumes the risk of collection on advertising placed by the interconnect, the manager receives compensation for its services in the form of a percentage revenues for advertising sold on the systems of other members of the interconnect.

Responses to the Commission's specific questions follow:

(i) Parties that do business with the cable interconnects:

Local and national advertisers interested in reaching the entire local market or a substantial portion thereof.

(ii) Access, services and products provided by the cable interconnects:

Sale of linear video advertising inserted in programming carried by the cable systems that are members of the interconnect.

(iii) How the Company determines whether to give a person access to a cable interconnect, or provide related services or products to the person, and the prices charged, including the extent to which these determinations depend on whether the party is owned by, controlled by, managed by, or affiliated with the Company:

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(iv) Any alternatives to the cable interconnects that are available to persons that wish to place cable spot advertising:

For parties making advertising buys, interconnects function as alternatives to making buys from individual MVPDs and from broadcast TV stations by enabling advertisers to buy across a market without dealing with multiple MVPDs.

Alternatively, for advertising on programming on cable networks, advertisers could buy from the cable networks themselves, although not all cable networks necessarily make advertising spots available on a local market basis.

Response to Specification 45(b):

A listing of all DMAs in which the Company owns, controls or manages cable interconnects is included in Exhibit 45. [[

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Response to Specification 45(c):

Quarterly revenues for the interconnects from 2011 through Q2 2014 are provided by DMA in Exhibit 45. Information earlier than 2011 is not available. Such revenue information is provided with respect to the each interconnect by member of the interconnect broken down by national and local advertising buys. References to "Local" in the "Sys Code Type DESC" column refer not to the interconnects but to advertising representation services (*see*, 46(c) below).

SPECIFICATION 46:

Provide the following information concerning the Company's provision of cable advertising representation services in the relevant area:

- (a) a listing of all DMAs in which the Company provides these services;**
- (b) an explanation of how the Company determines whether to run advertising on a cable system that is owned or managed by the Company and the prices charged, including the extent to which these determinations depend on whether the Company provides cable advertising representation services for that advertiser; and**
- (c) separately for national, regional, and local cable spot advertising, the quarterly revenues received by the Company from cable advertising representation services since January 1, 2009, produced in CSV or Excel format.**

Response to Specification 46(a):

A listing of all DMAs in which the Company provides cable advertising representation services are identified as "Local Zone" and included in Exhibit 45, which also includes information responsive to Specification 45.

Response to Specification 46(b):

Similar to the discussion regarding interconnects in 45(a)(iii) above, the Company is interested in representing partners that can bring economic benefit to the Company and its advertising clients. In general, that criterion is achieved when both the Company and the MVPD to be represented enjoy economic benefits, either through improved revenue generation and/or through expense rationalization. The MVPD to be represented reduces manpower and systems costs in favor of a turnkey approach, and the Company applies its scale efficiencies to reduce costs and secure margin from its piece of the deal.

Response to Specification 46(c):

Quarterly revenues for the advertising representation services from 2011 through Q2 2014 are provided by DMA in Exhibit 45. Information earlier than 2011 is not available. Such revenue information is provided with respect to each party to which the Company provides such services broken down by national and local advertising buys.

SPECIFICATION 47:

State the current number of local news and information programming hours, as defined in the Comcast-NBCU Order, for each non-broadcast programming network owned or affiliated with the Company.

Response to Specification 47:

Channel	Local news and information programming hours (annual)	Description of content
LOCAL SPORTS CHANNELS		
TWC SportsChannel NY (Buffalo, Rochester, Syracuse, Albany and Hudson Valley/NYC distinct feeds)	[[]]	N/A
TWC SportsChannel NC (Charlotte/Raleigh)	[[]]	N/A
TWC SportsChannel OH (Cleveland/Akron, Columbus, Cincinnati/Dayton distinct feeds)	[[]]	Air weekly 30-minute "Government Matters" show that features interviews with state lawmakers.
TWC SportsChannel WI (Milwaukee, Green Bay distinct feeds)	[[]]	N/A
TWC SportsChannel KC (Kansas City and Lincoln, NE distinct feeds)	[[]]	N/A
TWC SportsChannel TX (Dallas/Waco, San Antonio/Austin distinct feeds)	[[]]	Air "Capital Tonight," a 30-minute public affairs program that covers the bi-annual Texas state legislature session each weeknight. Produced by TWC News.
LOCAL NEWS CHANNELS & BUREAUS/FEEDS		
Time Warner Cable News NY 1	[[]]	News and information programming
Time Warner Cable Noticias NY1	[[]]	News and information

Channel	Local news and information programming hours (annual)	Description of content
		programming
Time Warner Cable News Rail & Road 24/7 <ul style="list-style-type: none"> Manhattan, Bronx & Brooklyn Queens Staten Island 	[[]]	News and information programming
Time Warner Cable News Rail & Road (Hudson Valley)	[[]]	News and information programming
Time Warner Cable News Capital Region (Albany)	[[]]	News and information programming
Time Warner Cable News Your Traffic (Albany)	[[]]	News and information programming
Time Warner Cable News Hudson Valley	[[]]	News and information programming
Time Warner Cable News Central NY	[[]]	News and information programming
Time Warner Cable News Radar (Central NY)	[[]]	News and information programming
Time Warner Cable News Binghamton (Southern Tier)	[[]]	News and information programming
Time Warner Cable News Jamestown	[[]]	News and information programming
Time Warner Cable News Watertown (North Country)	[[]]	News and information programming
Time Warner Cable News Rochester	[[]]	News and information programming
Time Warner Cable News Buffalo	[[]]	News and information programming
Time Warner Cable News Raleigh	[[]]	News and information programming
Time Warner Cable News Charlotte	[[]]	News and information programming
Time Warner Cable News Greensboro	[[]]	News and information programming
Time Warner Cable News Wilmington	[[]]	News and information programming
Time Warner Cable News San Antonio	[[]]	News and information programming
Time Warner Cable News Austin	[[]]	News and information programming
Time Warner Cable News Your Traffic (Austin Digital Channel)	[[]]	News and information programming

Channel	Local news and information programming hours (annual)	Description of content
Time Warner Cable News Local Weather (Austin Digital Channel)	[[]]	News and information programming
Time Warner Cable Noticias Tiempo (Austin Digital Channel)	[[]]	News and information programming
Time Warner Cable News Radar (Austin Digital Channel) <ul style="list-style-type: none"> • Austin North – Round Rock, Taylor, Hutto, Cedar Park, Liberty Hill, Lago Vista • Austin Central – Austin Metro (covering all parts of Austin not covered by North, South & West) • Austin South – Manor, Elgin, Buda, Kyle, San Marcos, Lockhart, Wimberley, Luling • Austin West – Lakeway, Bee Cave, Dripping Springs, Westlake, Fredricksburg, Marble Falls 	[[]]	News and information programming
Time Warner Cable News Radar - Waco/Temple/Kilene	[[]]	News and information programming
Time Warner Cable News Radar - Beaumont	[[]]	News and information programming
Time Warner Cable News Radar - Corpus Christi	[[]]	News and information programming
Time Warner Cable News - Antelope Valley, CA	[[]]	News and information programming
STAND-ALONE LOCAL WEATHER & RADAR CHANNELS		
Time Warner Cable Local Weather (Kansas City)	[[]]	News and information programming
Time Warner Cable Radar (Mid-Ohio)	[[]]	News and information programming
Time Warner Cable Local Weather (Northeast Ohio)	[[]]	News and information programming
TWC LOCAL CHANNELS		
Time Warner Cable Community – SoCal	[[]]	Traffic, Local Information Programs
Time Warner Cable Community –	[[]]	Community & Local

Channel	Local news and information programming hours (annual)	Description of content
Maine		Information Programs
OC16	[[]]	News headlines from local ABC affiliate, whom we partner with
cn 2 <ul style="list-style-type: none"> • Louisville, KY • Lexington, KY • Northern KY • Bowling Green, KY • Evansville, IN 	[[]]	Weather, Public Affairs, Sports Talk
TWC HISPANIC EVENT CHANNELS		
Time Warner Cable Channel 858/Special Events * – LA *Special Events with NCL roll-out channel – Channel 324 (LA market only)	[[]]	N/A
Canal de Tejas <ul style="list-style-type: none"> • North Texas • South Texas 	[[]]	N/A

SPECIFICATION 48:

Provide a list of each PEG channel on the cable systems to be acquired pursuant to the proposed TWC transaction and proposed divestiture transactions, and the tier(s) (including analog and digital tiers) on which each of those channels appears. Identify, by cable system being acquired, any PEG programming carried on Video on Demand or an online platform.

Response to Specification 48:

TWC is working on compiling a response to this specification and will provide a supplementary response as soon as possible.

SPECIFICATION 49:

Describe and produce all documents relating to data caps, including but not limited to: (i) any data caps imposed by the Company for each tier of Internet access service identified in response to Request 3 in any relevant area and the criteria used for imposing them and selecting the limit; (ii) the size of the data cap and the price of the Company's Internet access service both with and without the data cap; (iii) the Company's usage-based pricing (UBP) trials, rationale for them, and the findings or results of each such trial; (iv) video programming and other services subject to, and not subject to, the cap; (v) the cost, detriments and benefits to the Company and to the Company's subscribers of offering Internet access service with data caps, including the effect of the data caps on the Company's network; (vi) the effect of the data cap on the Company's customer's behavior (e.g., downloading of OVD content, purchase of the Company's PPV and VOD services); (vi) the effect of the data cap on competition for any relevant service and persons who provide video programming; and (vii) whether different UBP trials are planned, and if so, a description and timetable for each.

Response to Specification 49:

All non-privileged documents requested in the Commission's Request for Information will be submitted shortly following adjustments to reflect ongoing clarification discussions with Commission staff. In addition, TWC responds as follows:

On February 27, 2012, the Company launched a program, called *Essentials Internet*, which allows subscribers who use less data to opt for a less expensive Internet plan. *Essentials Internet* is currently available throughout the TWC footprint.

Essentials Internet is an opt-in program that gives customers on three of TWC's low cost, broadband plans—the Everyday Low Price (retail price of \$14.99 per month), Basic (retail price of \$47.99 per month), and Standard (retail price of \$57.99 per month) plans—the option to choose an Internet plan with a lower data allotment and price point. Customers on these plans who opt-in to *Essentials Internet* can choose from two options: (1) *Essentials Plan 1*, which has a 5 gigabyte monthly data allotment, and is available at an \$8 discount off of the customer's regular Internet price; and (2) *Essentials Plan 2*, which has a 30 gigabyte monthly data allotment, and is available at a \$5 discount off of the customer's regular Internet price. *Essentials Internet* is not available to subscribers on higher cost, higher speed Internet plans, including TWC's Turbo (retail price of \$67.99 per month), Extreme (retail price of \$77.99 per month), and Ultimate (retail price of \$87.99-\$107.99 per month) plans.

Once a customer chooses an *Essentials* plan, the customer has a grace period of two billing cycles to determine if the plan is appropriate. If the customer goes over the limit during the grace period, the customer is not charged an overage fee. After the two-month grace period, customers who exceed the data allotment can continue to use the service at a rate of \$1.00 per gigabyte over the allotment. While TWC caps the overage fee at \$25 per billing cycle, it does not cap or throttle usage. The *Essentials* plan is flexible, allowing customers the ability to switch

off the plan and avoid overages if they see they are going to go over their usage allotment in a given month.

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SPECIFICATION 50:

Describe and produce all documents relating to traffic management or engineering tools that identify, inspect, label, tag, throttle, rate-limit, shape, discard, block or otherwise control Internet traffic on the Company's network, including but not limited to:

- (a) network device configurations and applicable network diagrams indicating where such actions are configured on network devices and applied to Internet traffic entering, transiting or exiting the Company's network;**
- (b) traffic engineering actions that differentiate between the Company's services (including but not limited to VoIP – peer-to-peer and video streaming services) and similar services provided by other persons;**
- (c) policies and procedures for managing traffic delivered to and carried by the Company's networks, including documents that analyze the tradeoffs between allocating differing bandwidth levels, latency, routing assignments or other performance engineering to specialized services and whether a particular service qualifies as a specialized service, as that term is defined by the Comcast-NBCU Order, Appendix A § 1, and separately, as defined by this Information and Data Request.**

All non-privileged documents requested in the Commission's Request for Information will be submitted shortly following adjustments to reflect ongoing clarification discussions with Commission staff.

TWC does not employ any traffic management techniques that are intended to throttle, limit block or otherwise control Internet traffic on its network to improve or limit performance. TWC employs industry standard techniques to detect and block malware and to protect network operations. [[

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SPECIFICATION 51:

List all IP addresses, domain names, ports, edge applications, edge services or, categories of services where the Company has applied any traffic engineering actions described in response to Request 50 to improve or limit performance from January 1, 2011 to the present.

Response to Specification 51:

As indicated in the response to Specification 50, TWC does not apply traffic engineering actions on any specific users, applications, edge services or other categories of services, except to protect the network operations pursuant to industry-standard practices. See response to Specification 50 above for details.

SPECIFICATION 52:

Describe and produce all documents relating to the policies, procedures and practices the Company follows in processing trouble reports from edge providers or subscribers concerning the Company's Internet access services.

Response to Specification 52:

All non-privileged documents requested in the Commission's Request for Information will be submitted shortly following adjustments to reflect ongoing clarification discussions with Commission staff.

Internet Access Service Subscribers. Subscribers of TWC's Internet access services can in the first instance attempt to resolve and/or report problems with their Internet services through a number of channels. For outage detection or basic troubleshooting, customers can access: (i) Initiated Voice Response; (ii) TWC.com technical support; or (iii) TWC Mobile Application Technical Support. Customers may also communicate with a live agent 24 hours a day, seven days a week at TWC's call center or on-line chat, or through TWC's TWC Mobile Application Technical Support.

Process Flow Summary. [[

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Executive Escalations: [[

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Edge Providers. When TWC enters into a peering arrangement with an edge provider, TWC typically works with the provider to establish an operational communications plan (“OCP”) that outlines the procedures for communications between the network operations centers (“NOCs”) for the edge provider and TWC for service-affecting network events. Standard OCP procedures are used in most cases, but may be customized during peering agreement negotiations depending on the nature of the peering partner or services covered. An OCP is not a contractual document and is not a requirement for entry into an interconnection arrangement.

Process Flow Summary. [[

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Executive Escalations. [[

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SPECIFICATION 53:

Produce all documents relating to subscriber access to edge providers that reference:

- (i) congestion of the Company's Internet access service;**
- (ii) how quality of the Company's Internet access service affects subscriber churn and retention and the acquisition of new subscribers; and**
- (iii) how the existence of edge providers affects demand for Internet access service.**

Response to Specification 53:

All non-privileged documents requested in the Commission's Request for Information will be submitted shortly following adjustments to reflect ongoing clarification discussions with Commission staff.